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QUIO QU-ER-80-4 Code Reader Network Port Analog Communication Tutorial User Guide

Contents

QUIO QU-ER-80-4 Code Reader Network Port Analog Communication Tutorial

Product Information

QU-ER-80 QR Code Reader
The QU-ER-80 is a QR code reader that can be connected to a PC or network for data communication. It is designed to scan Mifare cards and transmit the scanned data to a server for further processing. The device supports network configuration and analog communication.

Network Configuration:

1. Power on the device.
2. Insert one end of the network cable into the device's network port.
3. Connect the other end of the network cable to the PC.
4. Right-click on the local computer and open the network settings.
5. Change the adapter settings and modify the local IP address to be in the same network segment as the device IP.
6. For example, if the default IP of the device is 192.168.1.99, set the local IP to 192.168.1.88 and the gateway to 192.168.1.1.
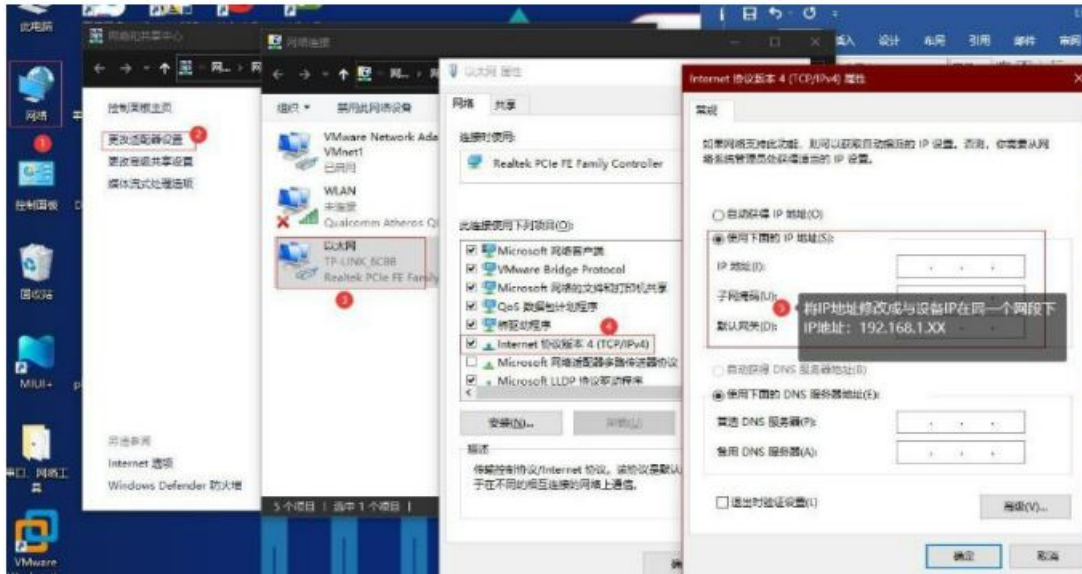
Analog Server-side Configuration

1. Download and install phpstudy software to build the server (you can search online for instructions).
2. Configure the server as follows:
   - **Web engine:** nginx
   - **Back-end language:** PHP
   - **Port:** 80
3. Create a folder named "QA" in the root directory of the website.
4. Place the file "mcardsea.php" inside the "QA" folder.
5. Start phpstudy and start the server.

INSTRUCTION

Network configuration

1. Power on the device, insert one end of the network cable into the device network port, and connect the other end to the PC .

2. Right click the local computer to open the network, change the adapter settings, and modify the local IP address to be in the same network segment as the device IP. For example, the default IP of the device is 192.168.1.99, the local IP is 192.168.1.88, and the gateway is 192.168.1.1
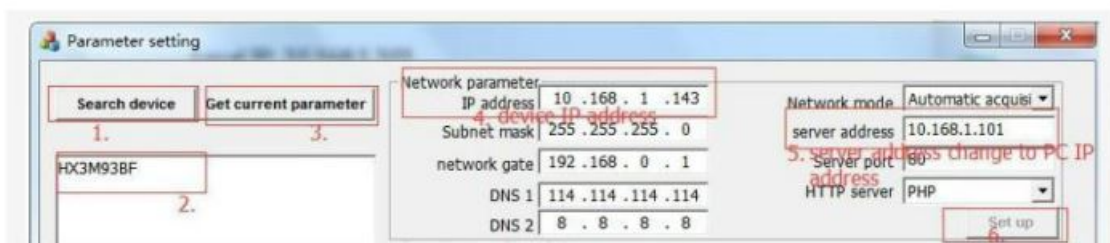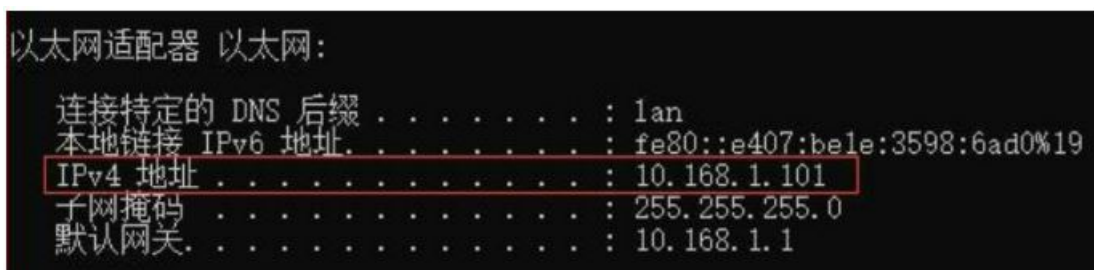

3. open the software configuration
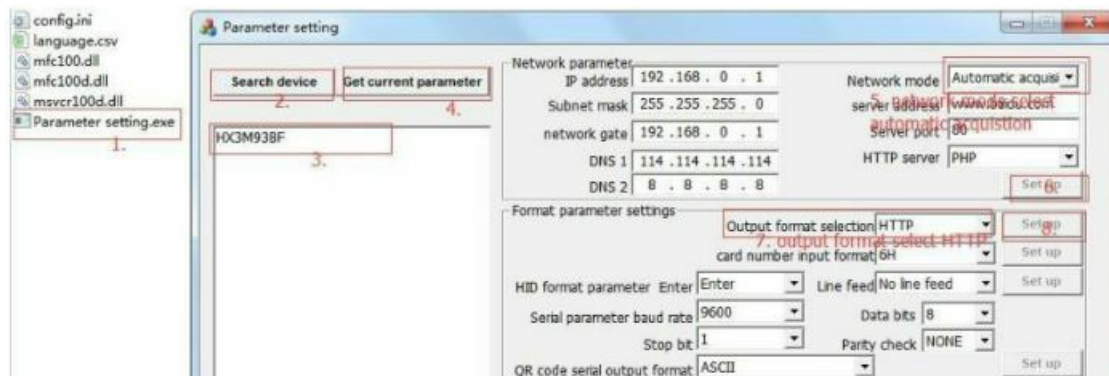
4. Connecting the device to the network and the PC to the network must be under the same intranet. Record both IP addresses.

   - **Local IP:** 10.168.1.101
   - **Device IP:** 10.168.1.143

Analog server side

Simulate the PC as a server to receive data sent by the device. This tutorial does not use a database to store data. It is only used as a reference for device communication

1. Download and install phpstudy software to build the server. you can google how to do it

   Server configuration:

   - **Web engine:** nginx
   - **Back end language**: PHP
   - **Port:** 80

2. Create a QA folder in the root directory of the website, and put mcardsea.php in the QA folder

   The code is as follows:

```php
<?php
header('Content-type:text/json');

    // parameter receive
    $data->cardid = $_REQUEST['cardid'];
    $data->mjihao = $_REQUEST['mjihao'];
    $data->cjihao = $_REQUEST['cjihao'];
    $data->status = intval($_REQUEST['status']);
    $data->time    = intval($_REQUEST['time']);
    $data->output = 0;

    //logic code
    $time = time();
    $time_min = $time-60;
    $time_max = $time+60;

    if($data->cardid == null || $data->status == null || $data->time == null || $data->mjihao
== null || $data->cjihao == null){
        //Parameter judgment
        $data->status = 0;
        $res->code =1000;
        $res->message = 'false';
    }else{
        $data->status = 1;
        $res->code = 0;
        $res->message = 'success';
    }
    $res->data = array($data);
    //output code
    $json_data = json_encode($res);
    $fp = fopen('data.txt', 'a+');
    fwrite($fp,print_r($json_data,true));
    fwrite($fp,"\n");
    fclose($fp);

    echo $json_data;

    ?>
```

3. Start phpstudy and start the server.

   Analog communication

   Use the Mifare card to scan on the device, hear didi twice, indicating that the communication is successful. The data.txt text file can be found in the QA folder. Open the text file to view the content transmitted from the device to the server.

{"code":0,"message":"success","data":[{"cardid":"5CF5D3″,"mjih
ao":"1″,"cjihao":"HX3M93BF","status":1,"time":1638195777,"output ":0}]}

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Documents / Resources

	[QUIO QU-ER-80-4 Code Reader Network Port Analog Communication Tutorial](#) [pdf] User Guide QU-ER-80-4 Code Reader Network Port Analog Communication Tutorial, QU-ER-80-4, Code Reader Network Port Analog Communication Tutorial, Reader Network Port Analog Communication Tutorial, Network Port Analog Communication Tutorial, Port Analog Communication Tutorial, Analog Communication Tutorial, Communication Tutorial, Tutorial

References

- 🌐 [RFID for industrial, commercial & logistics - HERPA TECH](#)
- 🌐 [QUIO – RFID/NFC und Kartentechnologie](#)

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